

Claims:

1. An adhesive composition comprising rubbery elastomeric matrix comprising a block-copolymer and a homopolymer where the block-copolymer contains one or more block(s) of a polymerised mono alkenyl arene monomer and one or more block(s) consisting of a linear or branched saturated hydrocarbon chain **characterized in that** the homopolymer is a linear or branched saturated hydrocarbon chain made from the same monomer as said block(s) consisting of a linear or branched saturated hydrocarbon chain.
2. An adhesive composition according to claim 1 wherein the block(s) in the block-copolymer consisting of a linear or branched, saturated hydrocarbon chain and the homopolymer have the same chemical structure.
3. The adhesive composition according to any of claims 1-2 wherein the block copolymer is a di, tri, or multiblock co-polymer, preferably a tri, or multiblock co-polymer, or most preferred a tri block or a star block copolymer.
4. The adhesive composition according to any of claims 1-3 wherein the block(s) of a polymerised mono alkenyl arene monomer form a physically cross-linked matrix.
5. The adhesive composition according to any of claims 1-4 wherein the polymerised mono alkenyl arene is polystyrene.
6. The adhesive composition according to any of claims 1-5 wherein the linear or branched, saturated hydrocarbon chain is polyisobutylene.
7. The composition according to any of claims 1-6 wherein the block(s) of a polymerised mono alkenyl arene monomer has a molecular weight between 1000 and 10 000.

8. The composition according to any of claims 1-7 wherein the block(s) consisting of a linear or branched saturated hydrocarbon chain has a molecular weight between 20 000 and 100 000.
- 5 9. The composition according to any of claims 1-8 wherein the homopolymer has a molecular weight between 20 000 and 100 000.
- 10 10. The adhesive composition according to any of claims 1-9 comprising from 1-70 % by weight of the composition of the block-copolymer and up to 70 % by weight of the composition of the homo-polymer.
- 15 11. The composition according to any of claims 1-10 characterized in that the composition comprises one or more water-soluble or water swell able hydrocolloids.
- 20 12. The adhesive composition according to claim 11 wherein the composition comprises from 5-60 % by weight of the composition of one or more water-soluble or water swell able hydrocolloids.
- 25 13. The adhesive composition according to any of claims 1-12 wherein the adhesive composition comprises a tackifier resin.
14. An ostomy appliance with an adhesive wafer comprising an adhesive composition according to any of claims 1-13.
- 30 15. A wound dressing comprising an adhesive composition according to any of claims 1-13.